

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-109868
(43)Date of publication of application : 18.04.2000

(51)Int.CI. C10M139/00
C10M137/02
C10M137/04
C10M171/00
// C10N 30:00
C10N 30:06
C10N 40:04

(21)Application number : 10-287888 (71)Applicant : IDEMITSU KOSAN CO LTD
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4) ADDITIVE FOR TRACTION DRIVE OIL

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain an additive which gives an excellent wear resistance and an excellent scoring resistance to a traction drive oil by blending a boron-containing phosphoric acid derivative having a specific absorbance in each of a phosphorus nuclear magnetic resonance spectroscopic measurement and a boron nuclear magnetic resonance spectroscopic measurement.

SOLUTION: A boron-containing phosphoric acid derivative having an absorbance at 10 to -5 ppm in a phosphorus nuclear magnetic resonance spectroscopic measurement and absorbances both at 5 to -ppm and/or at -20 to -25 ppm is added to an additive for a traction drive oil. Although the composition and the structure of the boron-containing phosphoric acid derivative are not limited, a reaction product between a phosphorus compound such as a phosphoric ester, an acidic phosphoric ester, a phosphonic ester or the like, and a boron-containing compound such as boric acid, a boric ester, a boron-containing imide or the like, is preferably cited.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]